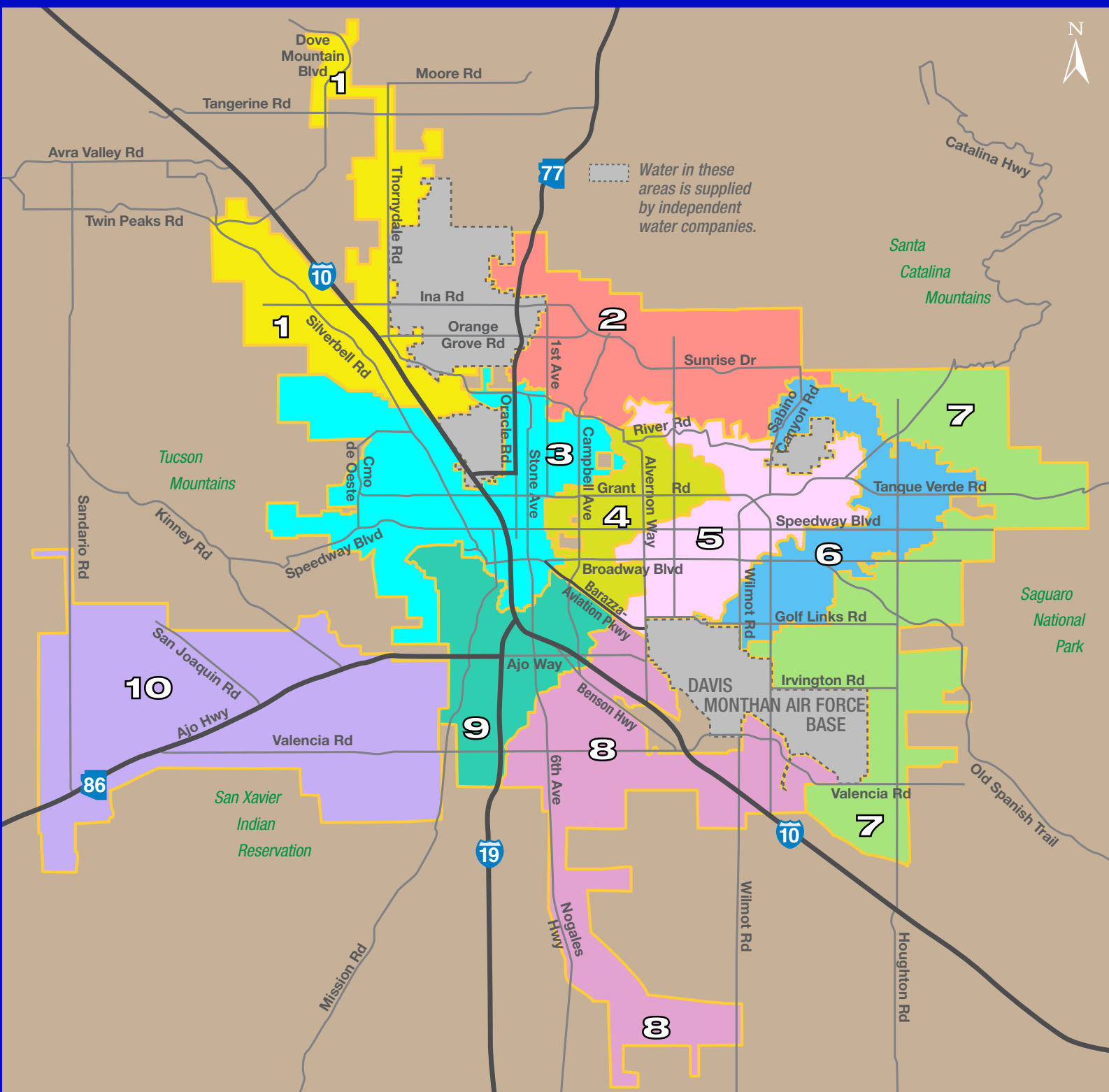


March 2016

To ensure your tap water is safe, clean and secure, Tucson Water conducts approximately 14,500 individual tests each year on the water in the main distribution system – before it reaches your home. Test results for key parameters are reported by 10 water quality zones for a water distribution system that covers some 375 square miles.

## Main Water System



**March 2016**

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## Main Water System

### TEST RESULTS BY WATER QUALITY ZONE

Zones	Hardness (mg/L*) 85 SP	Sodium (mg/L*) 85 SP	Nitrate-N (mg/L*) 85 SP	Fluoride (mg/L*) 85 SP	pH Level (S.U.) 246 SP	Minerals (mg/L*) 246 SP	Temperature (deg°F) 246 SP
1	211	69	1.46	0.32	7.8	432	74.6
2	244	65	1.16	0.39	7.9	503	75.1
3	239	64	1.46	0.47	7.9	479	74.7
4	215	57	1.30	0.38	7.8	430	76.1
5	226	64	0.99	0.33	7.7	478	74.2
6	211	60	1.24	0.35	7.8	474	74.0
7	228	63	1.18	0.32	7.8	478	73.9
8	207	61	1.76	0.41	7.8	444	74.6
9	235	57	2.15	0.58	7.7	454	76.1
10	230	68	0.99	0.30	7.8	455	75.2
<b>Avg</b>	<b>225</b>	<b>63</b>	<b>1.36</b>	<b>0.39</b>	<b>7.8</b>	<b>467</b>	<b>74.8</b>

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons SP = Sample Points S.U. = Standard Units

#### COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard  
for positive  
samples  
Positive  
results  
246 samples



#### CHLORINE

EPA Standard  
Max. 4.0 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L

Actual Average  
246 samples—1.0 mg/L

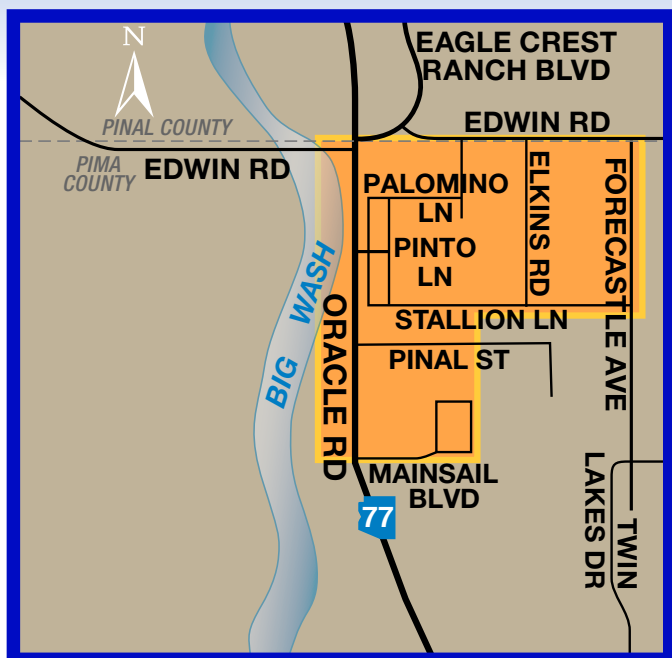


March 2016

Tucson Water also monitors water quality at 10 separate and distinct community systems served solely by local groundwater wells – not from the main water distribution system. Hundreds of individual tests are conducted each year on these community wells to ensure well water is clean, safe and secure.

## Catalina Water System

Catalina is a community partially served by Tucson Water. It has about 400 connections, supplying water to about 1,000 persons with water from two wells.



### TEST RESULTS from 2 Sample Points (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 2 SP	Minerals (mg/L*) 2 SP	Temperature (deg°F) 2 SP
87	25	0.43	0.48	8.1	193	72.1

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

### COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples

Positive results  
2 Samples



### CHLORINE

Actual Average  
2 samples—1.0 mg/L

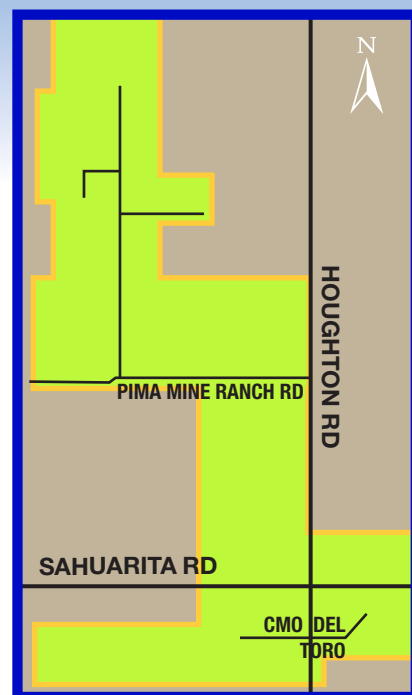
EPA Standard  
Max. 4.0 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L



## Corona de Tucson Water System

Corona de Tucson is a community located near Sahuarita and Houghton Roads, with about 2,600 connections supplying about 7,300 persons with water from three wells.



### TEST RESULTS from 9 Sample Points (SP)

Hardness (mg/L*) 3 SP	Sodium (mg/L*) 3 SP	Nitrate-N (mg/L*) 3 SP	Fluoride (mg/L*) 3 SP	pH Level (S.U.) 9 SP	Minerals (mg/L*) 9 SP	Temperature (deg°F) 9 SP
210	51	0.95	0.33	7.5	393	72.2

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

### COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples

Positive results  
9 Samples

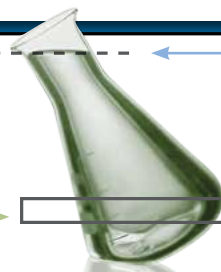


### CHLORINE

Actual Average  
9 samples—0.9 mg/L

EPA Standard  
Max. 4.0 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L



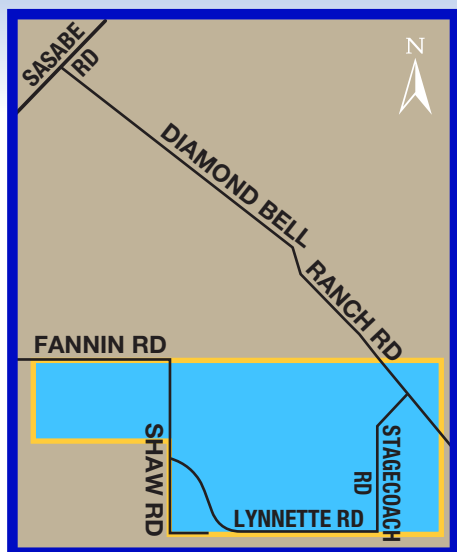
March 2016

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## Diamond Bell Water System

Diamond Bell is a community located south and east of Sasabe Road and Diamond Bell Ranch Road respectively,

with about 200 connections supplying about 570 persons with water from two wells.



### TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
113	30	1.52	0.24	7.8	209	66.4

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

#### COLIFORM

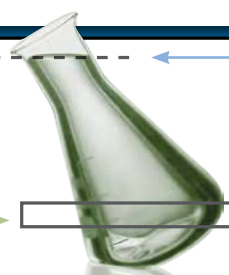
The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples  
Positive result  
1 Sample



#### CHLORINE

Actual Average  
1 sample—0.9 mg/L

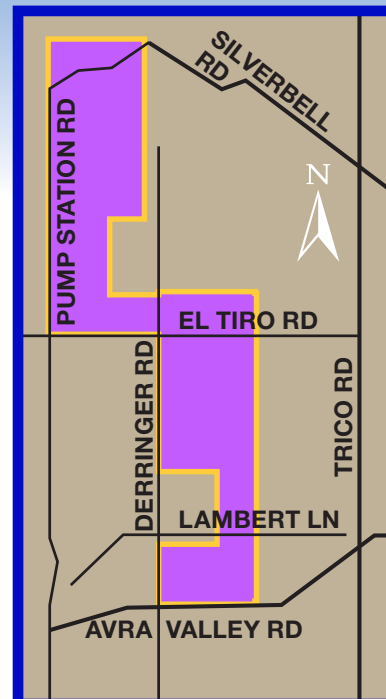


EPA Standard  
Max. 4.0 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L

## Rancho del Sol Lindo & White Fence Farms Water System

Rancho del Sol Lindo is a community located southwest of Silverbell Road and North Trico Road. Rancho del Sol Lindo has about 1,000 connections, supplying about 2,700 persons with water from two wells.



### TEST RESULTS from 3 Sample Points (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 3 SP	Minerals (mg/L*) 3 SP	Temperature (deg°F) 3 SP
137	38	3.37	0.47	7.8	291	72.4

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

#### COLIFORM

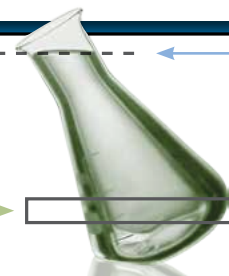
The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples  
Positive results  
3 Samples



#### CHLORINE

Actual Average  
3 samples—1.0 mg/L



EPA Standard  
Max. 4.0 mg/L

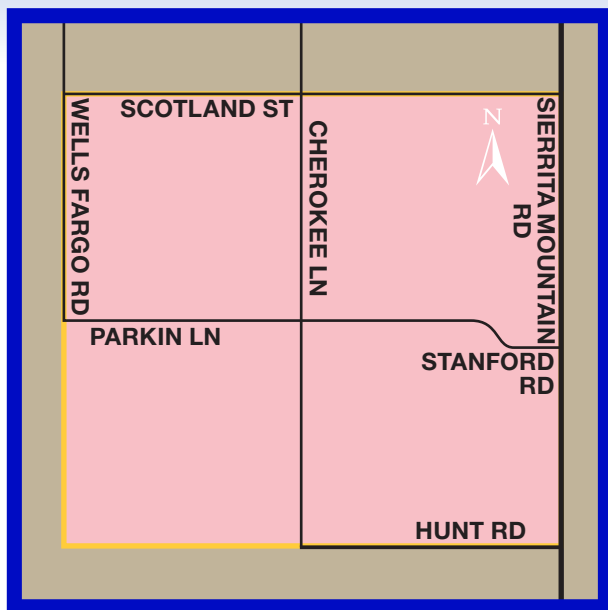
Tucson Water  
target average  
0.8 to 1.2 mg/L

March 2016

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## Sierrita Foothills Water System

This is a small community by the Three Points area, with 30 connections supplying approximately 75 people from one well.



### TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
91	38	1.68	0.49	7.8	213	68.7

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

#### COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples

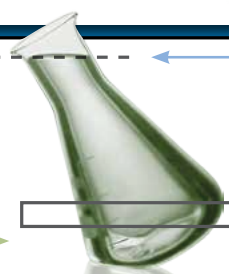
Positive result  
1 Sample



#### CHLORINE

Actual Average

1 sample – 0.6 mg/L

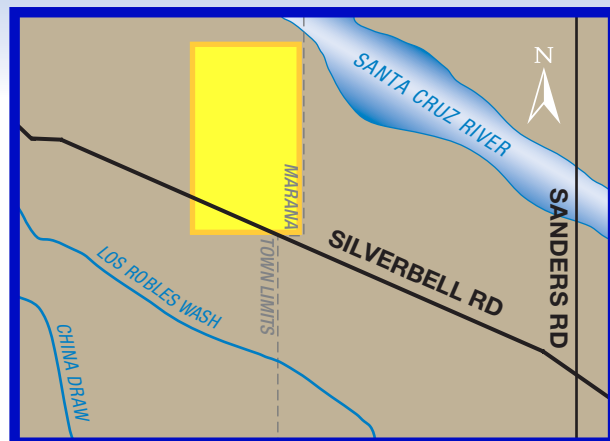


EPA Standard  
Max. 4.0 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L

## Silverbell West Water System

The Silverbell West system has 83 connections serving approximately 230 people from one well.



### TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
274	85	2.13	0.45	7.5	628	75.2

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

#### COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples

Positive result  
1 Sample



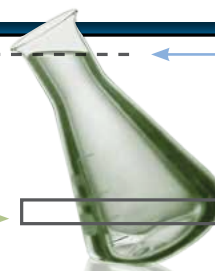
#### CHLORINE

EPA Standard  
Max. 4.0 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L

Actual Average

1 sample – 0.9 mg/L



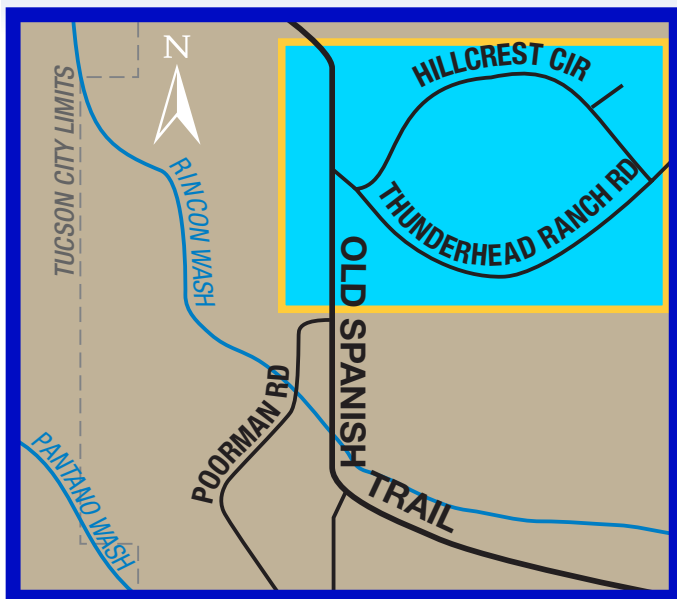


March 2016

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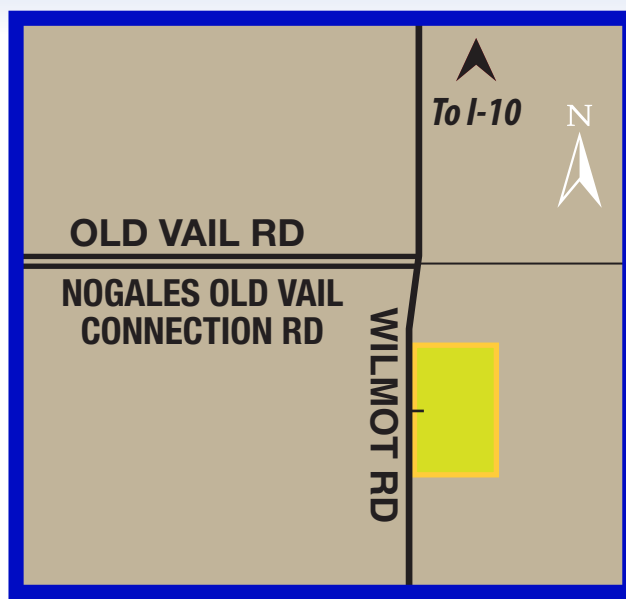
## Thunderhead Ranch Water System

Thunderhead Ranch is a small subdivision west of Old Spanish Trail and about one and a half miles south of Irvington Road. It has about 57 connections supplying about 160 persons with water from two wells.



## Tucson Police-Fire Academy Water System

The Police-Fire Academy, located south of Interstate 10 and east of Wilmot Road, was built in the late 1990s. One well supplies about 25 persons regularly, plus class members taught at this facility.



### TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
81	13	1.51	0.16	8.0	146	70.0

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

#### COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples

Positive result  
1 Sample



#### CHLORINE

Actual Average  
1 sample—0.9 mg/L



EPA Standard  
Max. 4.0 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L

### TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
201	42	0.80	0.29	7.6	351	68.9

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

#### COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples

Positive result  
1 Sample



#### CHLORINE

Actual Average  
1 sample—0.7 mg/L



EPA Standard  
Max. 4.0 mg/L

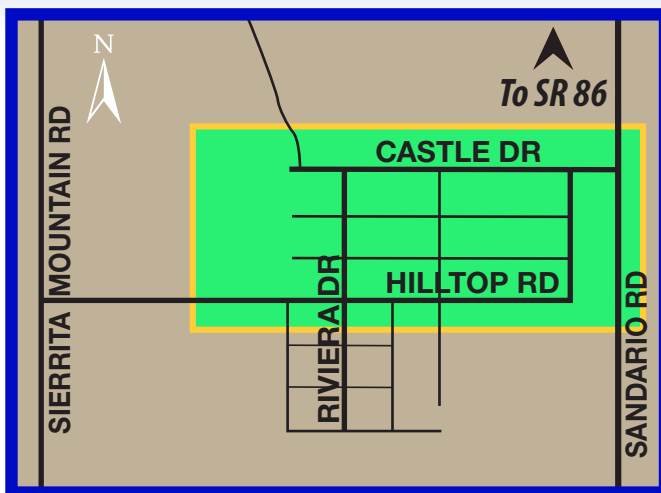
Tucson Water  
target average  
0.8 to 1.2 mg/L

**March 2016**

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## Valley View Acres Water System

Valley View Acres is a small community located north of Hilltop Road, just west of Sandario Road, with about 150 connections supplying about 470 people with water from two wells.



## TEST RESULTS from 1 Sample Point (SP)

Hardness (mg/L*) 1 SP	Sodium (mg/L*) 1 SP	Nitrate-N (mg/L*) 1 SP	Fluoride (mg/L*) 1 SP	pH Level (S.U.) 1 SP	Minerals (mg/L*) 1 SP	Temperature (deg°F) 1 SP
<b>116</b>	<b>46</b>	<b>1.73</b>	<b>0.56</b>	<b>7.6</b>	<b>271</b>	<b>66.0</b>

\*mg/L means milligrams per liter 1 mg/L = 1 teaspoon in 1,302 gallons

### COLIFORM

The U.S. Environmental Protection Agency (EPA) has primary standards for levels of coliform bacteria and the disinfectant chlorine.

EPA standard for positive samples

Positive result  
1 Sample



### CHLORINE

EPA Standard  
Max. 4.0 mg/L

Actual Average

1 sample – 1.1 mg/L

Tucson Water  
target average  
0.8 to 1.2 mg/L